



Connecticut Town and County Management Association

Annual Meeting
June 7, 2019



State Ed Tech Policy and Program Champions

- Higher Education
- K – 12 Districts
- Libraries
- Private Sector
- Researchers
- State Agencies
- Towns

Open Education Resources

Provide repository of free, high-quality digital learning resources that make learning more affordable for schools and college students.

Innovation

Study and recommend ways to scale blended teaching and learning.

Standards

Promote and support adoption of ISTE Student, Educator, and Administrator Standards.

eRate

Maximize state return on USF investment to connect schools and libraries.

Digital Equity

Toolkit to help communities close the “homework gap.”

Privacy Compliance

Support statutory compliance, innovation, and cost savings through a statewide educational software registry and online community.

Security Best Practices

Identify and promote a framework among schools and libraries for protecting the data, information, and records of learners.

Ed Tech Best Practices

Curate and publish research-based standards and frameworks to assist technology professionals in education.

Digital Learning

Infrastructure

Data and Privacy

Agenda

Connecticut Education Network (CEN)

E-rate

Digital Equity

Open Education Resources

Competency Standards

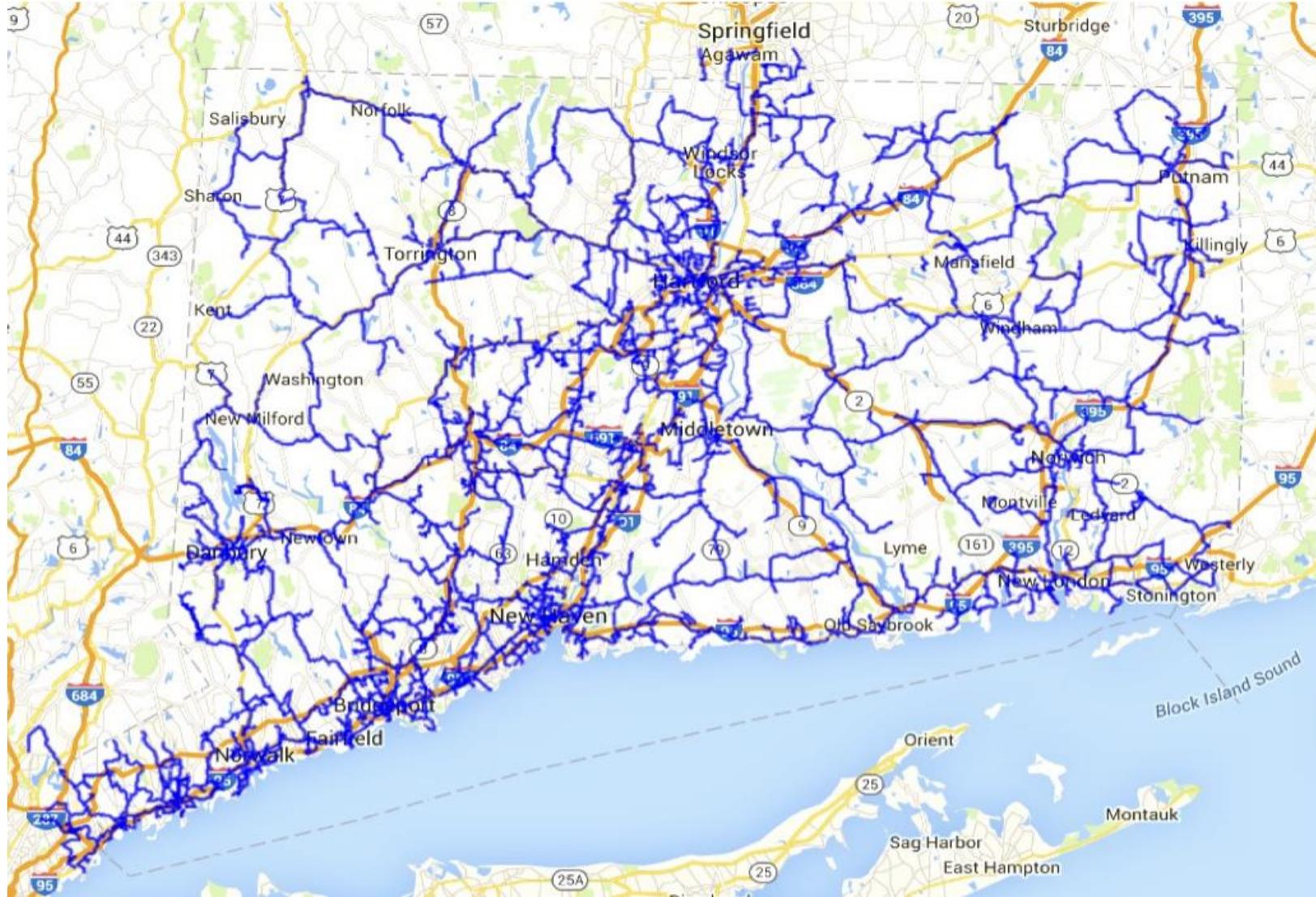
Data Privacy

Connecticut Education Network (CEN)





Connecticut's Trusted Internet Partner



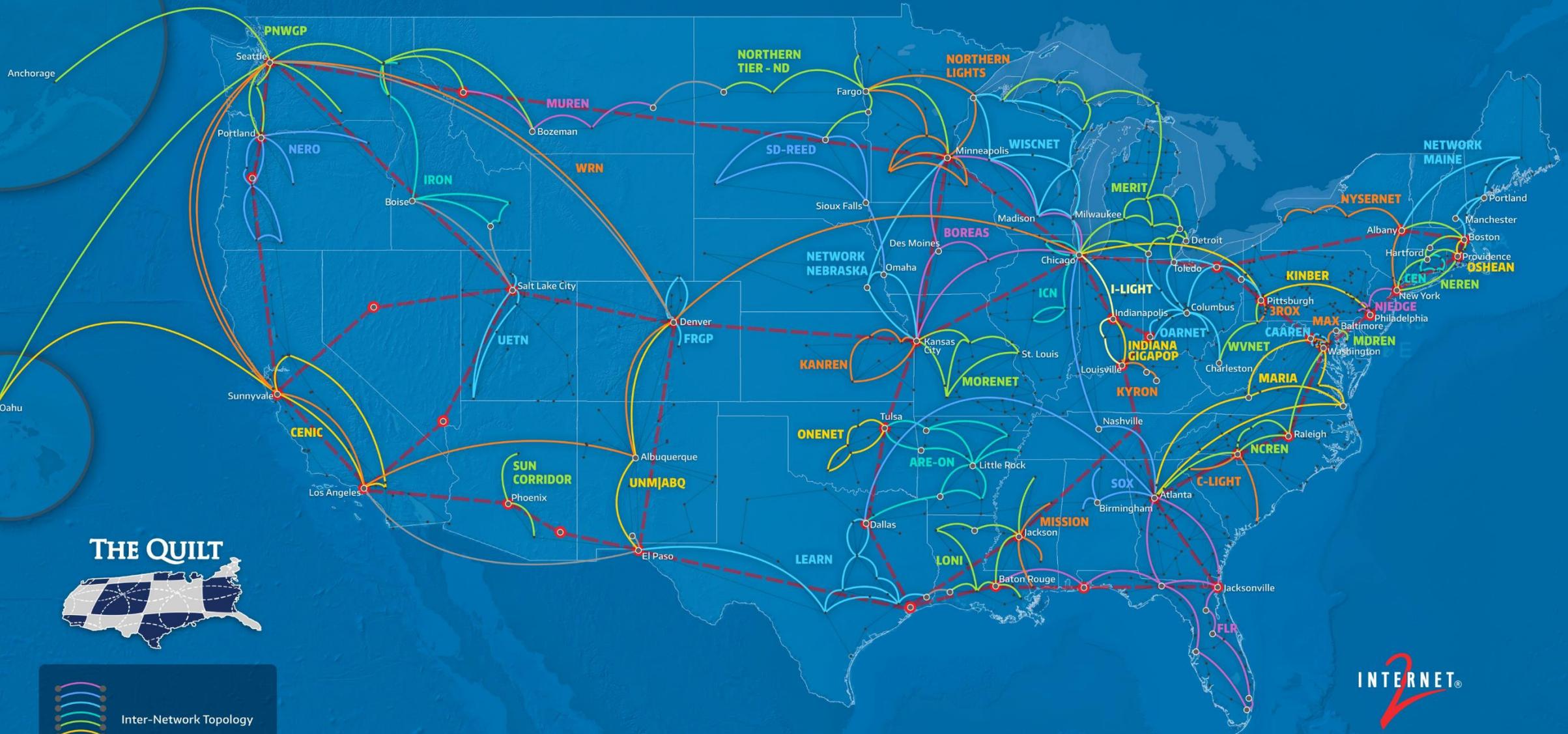


Connecticut's Trusted Internet Partner

1.8 Million Citizens Served

Community Anchor Institutions	Public K-12 Districts	Public Colleges & Universities	Private Colleges & Universities	CT Public Libraries	CT Municipal Government	CT Govt Branch	Open Access
Connected	170	19	17	144	102	2	38
CT Total	170	19	20	238	169	3	n/a
% of Total	100%	100%	85%	61%	60%	66%	n/a

REGIONAL RESEARCH AND EDUCATION NETWORKS IN THE UNITED STATES



CEN: One Connection, National Community



Services



Internet & Networking

Blended Internet
Advanced L2/3
Services
DNS Hosting
Video
Conferencing



Cloud Connectivity

AWS
Google
Microsoft
Peering



Managed Security

Content Filtering
DDoS Mitigation
Firewall



Personalized Support

24x7x365 NOC
Local Engineers
True Partnership



Engagement & Collaboration

Advisory Councils
Member
Conference
Workshops
Research Support



 CARPOOLS ONLY
2 OR MORE PERSONS
PER VEHICLE
↓

Slauson Ave
Sepulveda Blvd
1 MILE

Value – Cost Avoidance

**\$24
Million**

CEN Annual Cost Avoidance

- \$437,000 CIPA Filtering Licensing
- \$6.6 Million for Internet services compared to NY, MA, RI
 - ~\$4 Million for K – 12
- \$18 Million in DDoS Mitigations

CEN – Learn More

- CEN.CT.GOV
- Ryan Kocsondy, Director
RK@UCONN.EDU
(860) 622-4563



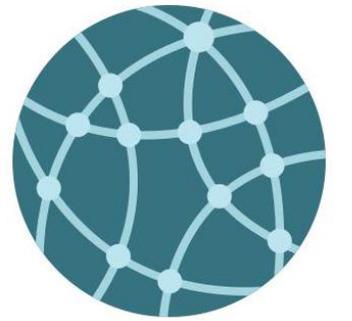
A screenshot of the CEN website homepage. The header is blue with the CEN logo (Connecticut's Trusted Internet Partner) on the left. To the right of the logo are navigation links: 'GET CONNECTED', 'SERVICES', 'SUPPORT', 'ENGAGEMENT', and 'ABOUT US'. Below these is a 'MEMBER CORNER' link. Further right are social media icons for Facebook, LinkedIn, Twitter, and YouTube, and a search bar with the text 'Search this site...'. The main content area features a large orange and blue graphic with the text 'Cloud Connect' and 'Leverage CEN's connectivity to cloud providers adding resiliency and reliability to your infrastructure.' Below this is a 'LEARN MORE' button. The graphic also includes logos for Google Cloud Platform, Microsoft Azure, and AWS. At the bottom of the page, there is a section titled 'Connecticut's Trusted Internet Partner' with a paragraph of text and a 'GET CONNECTED' button on the right.

Connecticut's Trusted Internet Partner

CEN is Connecticut's premier provider of high-performance Internet services. Since 2000, CEN has been accelerating the progress of our members by providing reliable, low latency, high-speed networking and security services. We are the provider of choice for organizations that demand exceptional value, performance, and highly personalized service.

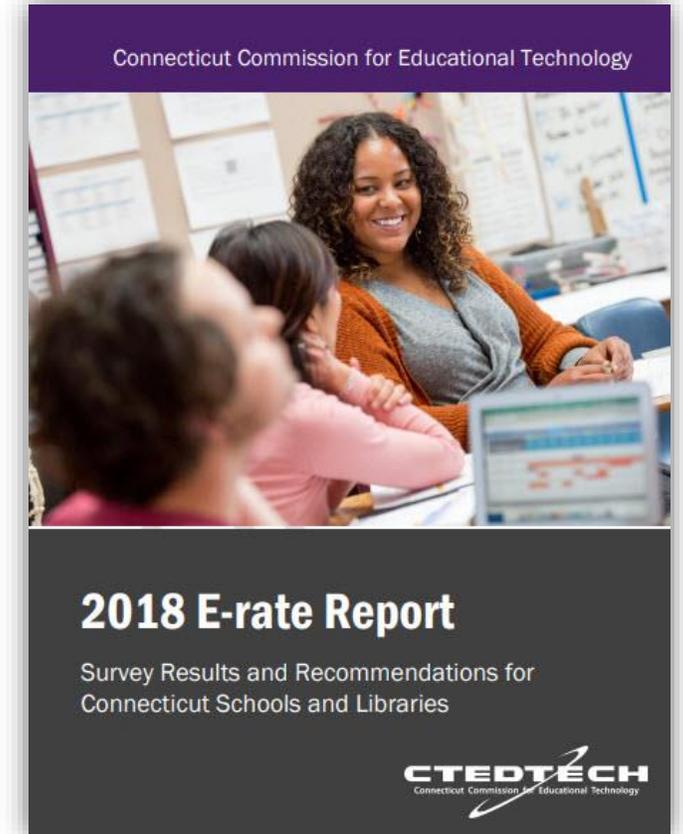
[GET CONNECTED](#)

E-rate



Universal Services Fund (E-rate)

- Provides Offsets for School and Library Internet Access
- Awards Based on Free and Reduced Lunch
- Primary Fiber Connections (Category 1)
- Internal (Wireless) Connections (Category 2)
- Unused Funds
 - 2014: \$24M Not Filed, \$6M Unclaimed (28%)
 - 2015: 76 (37%) Districts Not Filing Category 2
 - 2016: \$3.6M Unclaimed
 - 2018: \$16M Not Filed



State E-rate Survey Results

- **Barriers:** Lack of matching funds (schools) and reluctance to filter content (libraries)
- **Common Support Providers:** Nearly all schools use the same E-rate consulting firm
- **Value:** Schools and libraries find strong value in consultants
- **Complexity and Inefficiency:** Technical and administrative complexities lead to inefficiencies that result in direct and indirect costs
- **Return on Investment:** Schools see 2X return on investment on consultants, even when accounting for consulting fees

Full Report at www.CT.gov/CTEdTech or bit.ly/CT-Erate

E-rate Opportunities

Procurement

- RFP for Third-Party Services (Bid List)
- Master Contract (470) to Reduce Procurement Burden
- Consortium Purchasing for Schools (Exists for Libraries)

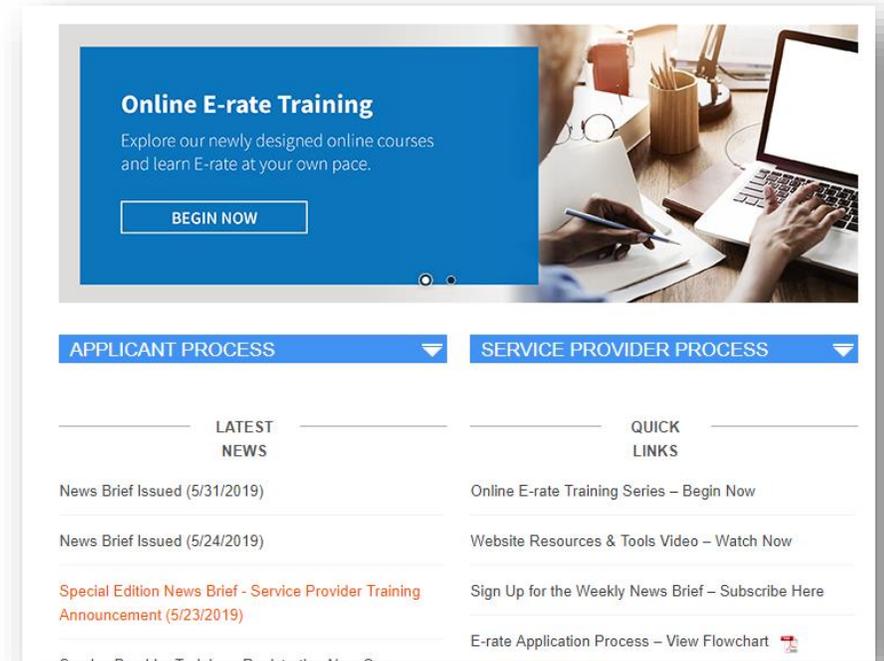
Outreach and Support

- Training (Timelines, Best Practices, etc.)
- Raise Awareness Among Connecticut Groups

Report at bit.ly/CT-Erate

Town, District, and Library Next Steps

- Download Report at bit.ly/CT-Erate
- Research Submissions and Reimbursements at www.USAC.org
- Discuss Internally
 - Alignment of Strategic Plan to Learning and Efficiencies?
 - Connectivity Needs by Location — Now and in the Future?
 - Why Lack of E-rate Usage?
 - Matching Funds?
 - Support?
 - Other?



The screenshot displays the USAC.org website interface. At the top, a blue banner for 'Online E-rate Training' features the text 'Explore our newly designed online courses and learn E-rate at your own pace.' and a 'BEGIN NOW' button. Below the banner, the website is organized into two main columns: 'APPLICANT PROCESS' and 'SERVICE PROVIDER PROCESS'. Under 'APPLICANT PROCESS', there is a 'LATEST NEWS' section with three items: 'News Brief Issued (5/31/2019)', 'News Brief Issued (5/24/2019)', and 'Special Edition News Brief - Service Provider Training Announcement (5/23/2019)'. Under 'SERVICE PROVIDER PROCESS', there is a 'QUICK LINKS' section with four items: 'Online E-rate Training Series – Begin Now', 'Website Resources & Tools Video – Watch Now', 'Sign Up for the Weekly News Brief – Subscribe Here', and 'E-rate Application Process – View Flowchart'.

Digital Equity



Digital Equity



Broadband Internet



Devices



Skills



Support

Digital Equity Challenges

65%



**Students who
use the Internet
for homework**

70%



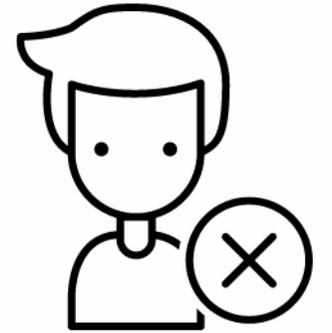
**Teachers who
assign
homework
requiring
online access**

82.5%



**American
households
with school-
age children
have
broadband
access at home**

**8% =
42K+**



Digital Equity Solutions

DIGITAL EQUITY TOOLKIT

Resources to Help Connecticut Communities
Ensure Access for Every Learner

A Publication of the

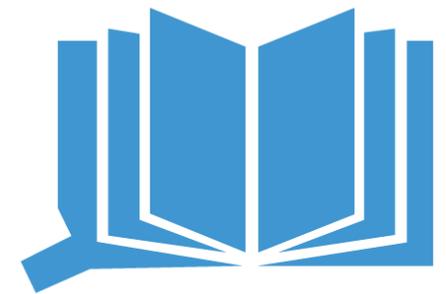
CTEDTECH
Connecticut Commission for Educational Technology

Version 1.0 — December 28, 2017

- Digital Equity Toolkit: www.CT.gov/CTEdTech
 - Information Gathering: Identify Need
 - Community-Based Approaches
 - Leadership Teams
 - Current Programs (e.g., Internet Essentials)
 - Leveraging Existing Resources
- Eduroam
 - Higher Education Solution
 - Connects Learners to Existing Hot Spots
 - Pilot Towns



Open Education Resources



Open Education Resources

Free and openly licensed educational materials that can be used for teaching, learning, research, and other purposes.

– Creative Commons

Meeting Educational Challenges with OER

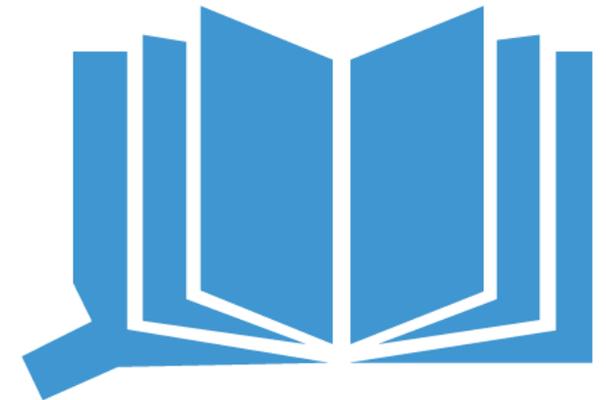


Benefits

- Equity of Access
- Relevancy and Currency
- Teacher and Student Voice
- Cost Savings
- Technology Investment
- Eliminates Barriers Between K – 12 and Higher Education
- Connection with Other Educators

www.GoOpenCT.org

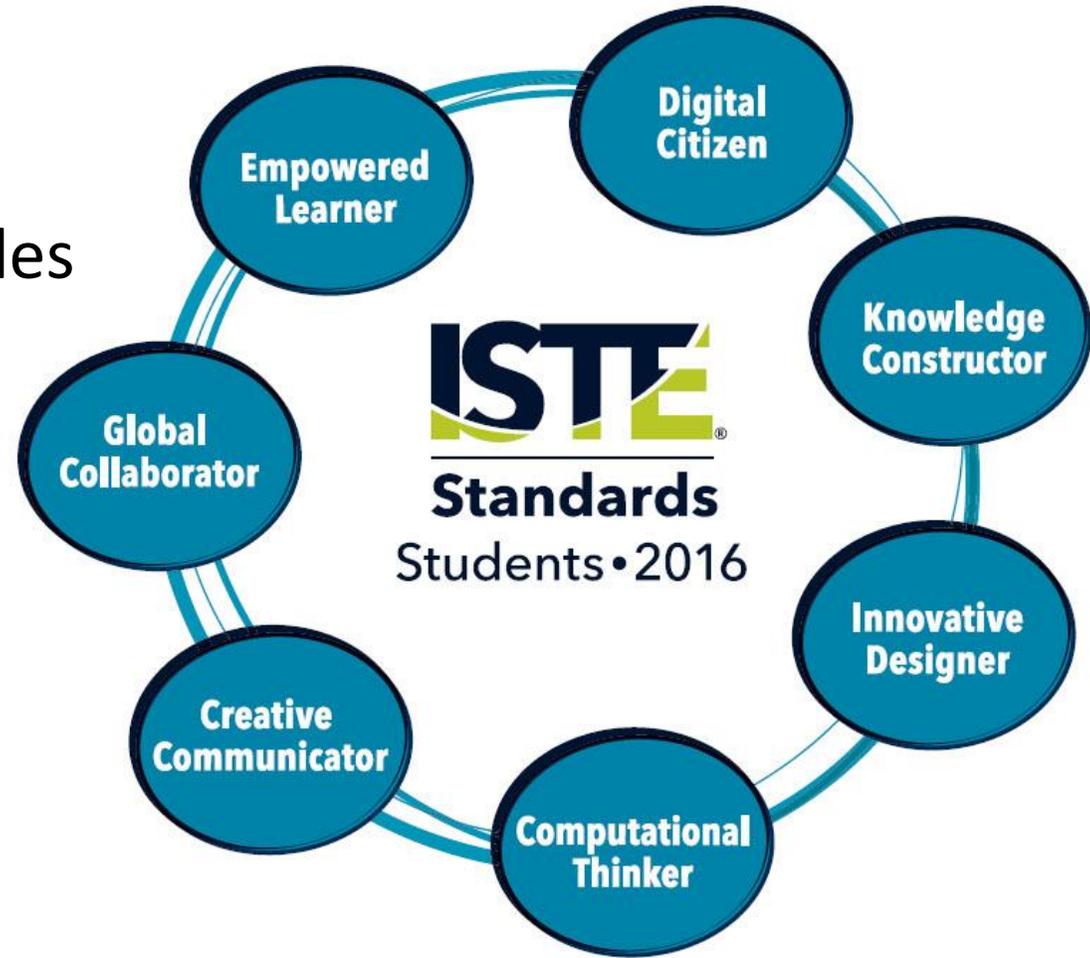
- Resources for Schools and Colleges
 - District Launch Packet
 - Search Engines for Free and Open Materials
- Video Testimonials
 - Voices from CT Leaders
 - Success Stories and Inspiration
- Survey
 - Resources to Share
 - Current and Expected Needs



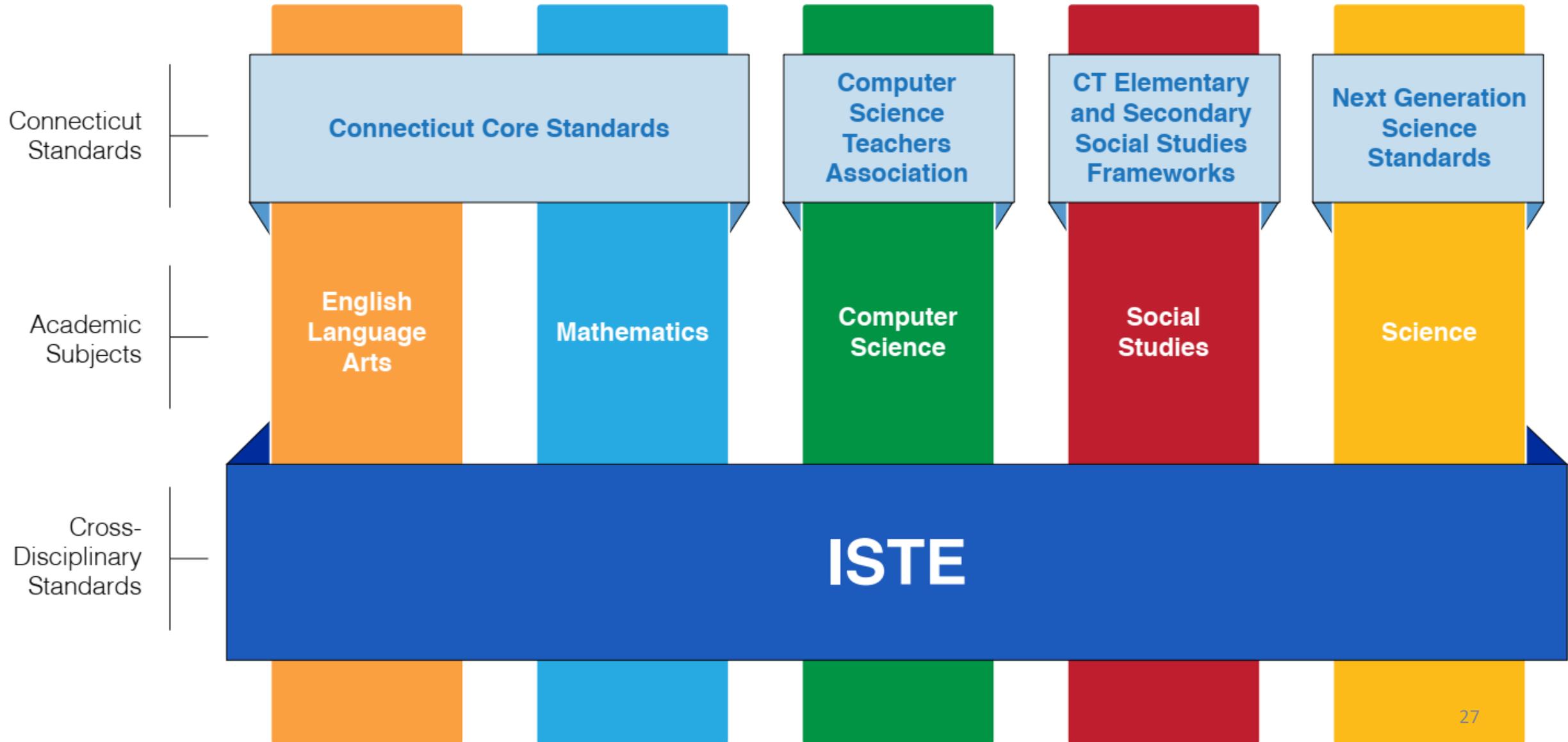
www.GoOpenCT.org
#GoOpenCT

Standards for Students

- Adopted 2016 and 2018
- Define Competencies as Profiles
- Higher-Level
- Just in Time vs. Just in Case



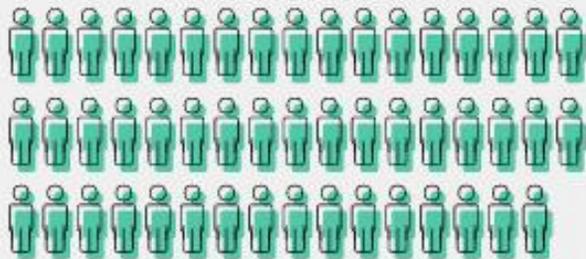
Standards Frameworks



SKILLRISE

1 in 6

Americans between the ages of 16 and 65 have low literacy skills. 95% carry mobile devices.



89%

of the population is unaware of adult literacy programs. Social media can play a critical role in awareness.



24M

low-wage Americans need to upskill. What if they could study on a bus or train?



MORE THAN



of available jobs in the U.S. require advanced skills and **UNDER HALF** of the workforce is ready. Better use of edtech can help close this gap.

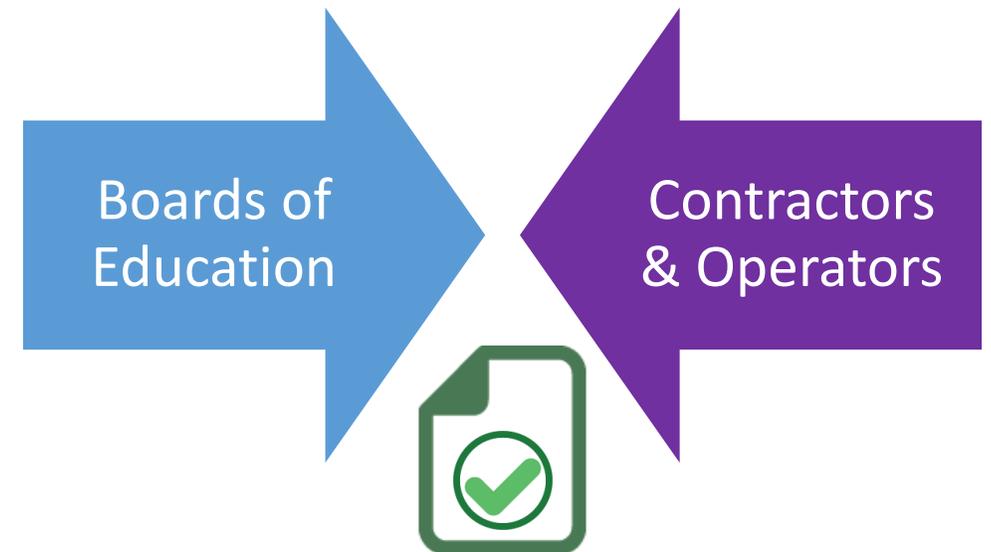
Learn More at www.SkillRise.org

Data Privacy



Basic Components (CGS 10-234aa – dd)

- Concerns Contracts Between Consultants and Boards of Education
- Restricts Use of Student Data, Information, Records by Contractors
- Addresses Contract Requirements on Use of Data, Targeted Advertising, etc.
- Spells Out Best Practices in Security
- Includes Breach Notifications



Direct and Indirect Impacts



80,000 STAFF
HOURS



\$5M+ INDIRECT
COST



LEGAL FEES



OPPORTUNITY
COST

Start typing to search by product name...

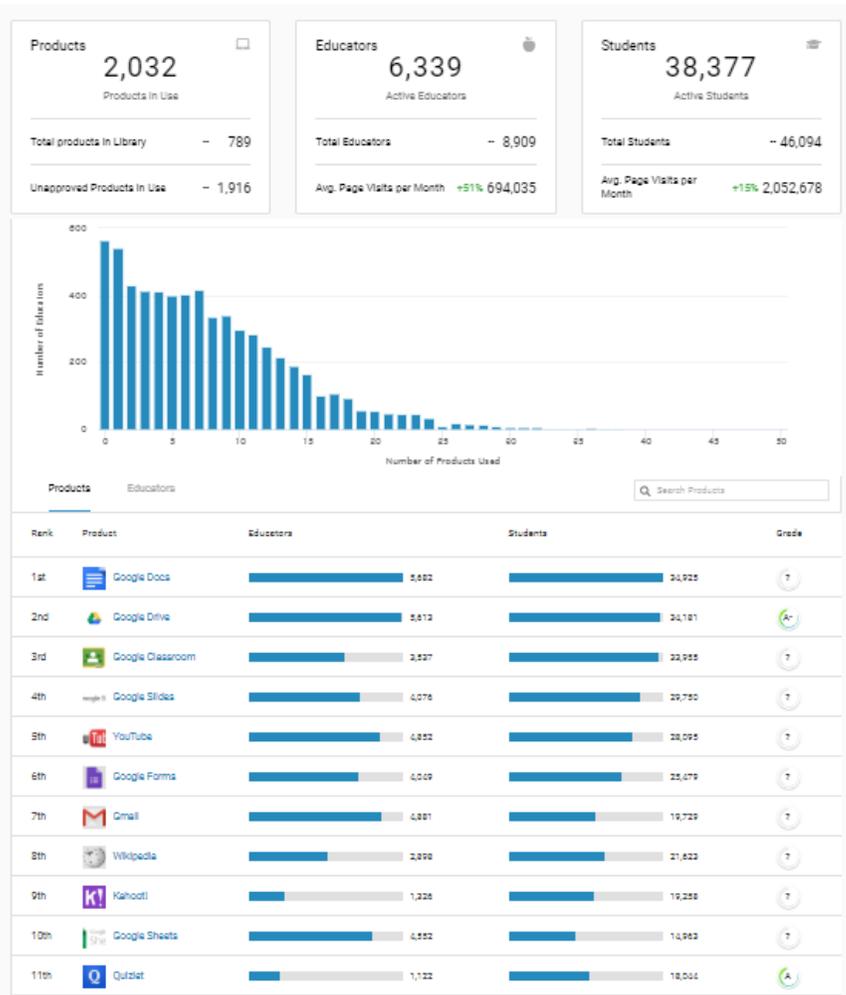
BOOK CREATOR
Magically easy way to create and publish multimedia, digital books
Compliance Pledged

CLASSDOJO
Happier Classrooms
Compliance Pledged

EDTHENA
Edthena helps educators analyze teaching using classroom video and online collaboration. Teachers upload video, and others
Compliance Pledged

Educational Software Hub (LearnPlatform)

- List of Compliancy-Pledged Products
- Search by Grade, Efficacy, Compliance
- New “Request” Feature
- Scorecard for Ed Tech Feedback
- Free Chrome Plugin for Tech Directors
- Custom Workflows for Approvals and Catalog Management



LearnPlatform Analytics

- Free
- ~40 Districts Using
- Educator and Student Totals
- Actual Usage by Product
- Product Drill-Down (Compliance, Reviews, etc.)

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@GoOpenCT

www.CT.gov/CTEdTech



Today's Slides

bit.ly/CET-CTCMA-19

